NANNING TECBOD BIOLOGICAL TECHNOLOGY CO.,LTD.
ROOM 601 FLOOR 6, B2 BUILDING, NO 19 GUOKAI DADAO, NANNING, GUANGXI, P.R.CHINA

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Description	:	(A)Disposable Medical Isolation Gown:Nonwovens are used as the main raw materials,which are made by cutting and sewing.non sterile,disposable.Used for general isolation in out-patient,ward and laboratory of medical institution.
Style No.	:	XL
Composition	:	(A)non-woven fabric
Sample Color	:	(A)white non-woven fabric
Manufacturer	:	Nanning TECBOD Biological Technology Co.,Ltd.
Proposed Care Instruction	:	-
Test Performed	:	Selected test(s) as requested by applicant
Sample Receiving Date	:	Apr 13, 2020
Testing Period	:	Apr 15, 2020 - May 22, 2020
Test Result(s)	:	Unless otherwise stated the results shown in this test report refer only to the sample(s) tested, for further details, please refer to the following page(s).

Comment

	EN 13034:2005+ A1:2009 (Type 6)	**EN 14126:2003/ AC:2004**
Abrasion Resistance	Class 1	**Referring to Type 6 comment**
Compression-Folding (Schildknecht) Flex Cracking Resistance	Class 6	
Compression-Folding (Schildknecht) Flex Cracking Resistance at -30℃	Class 6	
Trapezoidal Tear Resistance	Class 2	
Tensile Strength	Class 1	
Puncture Resistance	Class 1	
Seam Strength	Class 3	

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd Testing Center

Sara Guo (Account Executive)

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Test Result

Protective Clothing Against Chemicals — Test Methods and Performance Classification of Chemical Protective Clothing Materials, Seams, Joins and Assemblages
(EN 14325:2018)

Clause 4.4 Abrasion Resistance

(EN ISO 12947-2:2016;Martindale Abrasion & Pilling Tester, Pressure: 9kPa, Grit 240 abrasion paper.)
(A)

As Received	No. 1	No. 2	No. 3	No. 4	Minimum
The quoted result(Rubs)	23	53	60	80	23

Recommended Class: 1

Remark:
1. Visual examination is used for damage assessment after abrasion. If the assessment is performed through visual inspection, the maximum classification that can be claimed is a Class 3.
3. Classification of abrasion resistance: Class 1 >10rubs; Class 2 >40rubs; Class 3 >100rubs; Class 4 >400rubs; Class 5 >1000rubs; Class 6 >2000rubs.

Clause 4.5 Compression-Folding (Schildknecht) Flex Cracking Resistance

(EN ISO 7854:1997, Method B;)
(A)

As Received	No. 1	No. 2	No. 3	Minimum
Warp/Lengthwise(Cycles)	>50000	>50000	>50000	>50000
Weft/Widthwise(Cycles)	>50000	>50000	>50000	>50000

Recommended Class: 6

Remark:
1) Visual examination is used for damage assessment after flex cracking. Visual inspection shall not be used for the performance classification of Type 1 through Type 3(EN 943-1, EN 943-2, EN 14605)
2) Classification of leak tightness after compression-folding(Schildknecht) flex cracking resistance: Class 1 >500cycles; Class 2 >1250cycles; Class 3 >3000cycles; Class 4 >8000cycles; Class 5 >20000cycles; Class 6 >50000cycles.

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Clause 4.6 Compression-Folding (Schildknecht) Flex Cracking Resistance at -30℃

(EN ISO 7854:1997, Method B;)
(A)

As Received	No. 1	No. 2	No. 3	Minimum
Warp/Lengthwise(Cycles)	>4000	>4000	>4000	>4000
Weft/Widthwise(Cycles)	>4000	>4000	>4000	>4000

Recommended Class: 6

Remark:
1) Visual examination is used for damage assessment after flex cracking. Visual inspection shall not be used for the performance classification of Type 1 through Type 3(EN 943-1, EN 943-2, EN 14605)
2) Classification of compression-folding(Schildknecht) flex cracking resistance at low temperatures: Class 1 >100cycles; Class 2 >200cycles; Class 3 >500cycles; Class 4 >1000cycles; Class 5 >2000cycles; Class 6 >4000cycles.

Clause 4.7 Trapezoidal Tear Resistance

(EN ISO 9073-4:1997;)
(A)

As Received	No. 1	No. 2	No. 3	No. 4	No. 5	Minimum
Warp/Length Yarns Torn(N)	57	53	56	56	64	53
Weft/Width Yarns Torn(N)	26	35	31	28	35	26

Recommended Class: 2

Remark:
Classification of trapezoidal tear resistance: Class 1 >10N; Class 2 >20N; Class 3 >40N; Class 4 >60N; Class 5 >100N; Class 6 >150N.

Clause 4.9 Tensile Strength

(EN ISO 13934-1:2013;CRE - 2” Strip)
(A)

As Received	No. 1	No. 2	No. 3	No. 4	No. 5	Minimum
Warp/Length(N)	89	92	88	87	85	85
Weft/Width(N)	42	44	44	44	43	42

Recommended Class: 1

Remark:
Classification of tensile strength: Class 1 >30N; Class 2 >60N; Class 3 >100N; Class 4 >250N; Class 5 >500N; Class 6 >1000N.

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Clause 4.10 Puncture Resistance

(EN 863:1995;)
(A)

As Received	No. 1	No. 2	No. 3	No. 4	No. 5	Minimum
Puncture Force(N)	9	9	8	8	8	8

Recommended Class: 1

Remark:
Classification of puncture resistance: Class 1 >5N; Class 2 >10N; Class 3 >50N; Class 4 >100N; Class 5 >150N; Class 6 >250N.

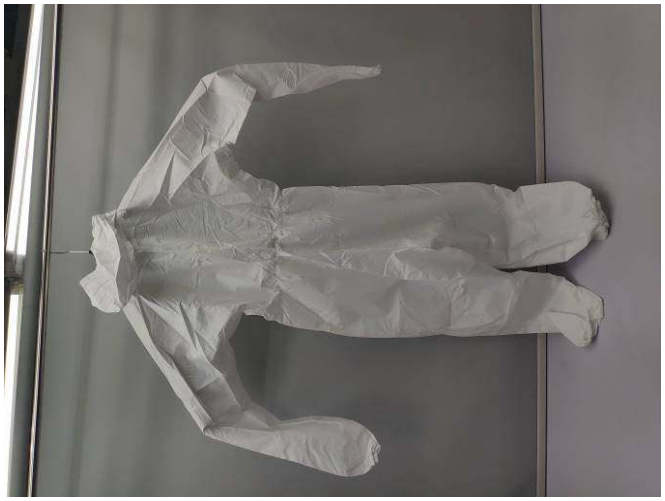
Clause 5.5 Seam Strength
(EN ISO 13935-2:2014)

	# 1	# 2	# 3	Average
Side seam(N)	78(F.R.)	86(F.R.)	72(F.R.)	79(F.R.)
Sleeve seam(N)	102(F.R.)	114(F.R.)	119(F.R.)	111(F.R.)
In-side seam(N)	91(F.R.)	91(F.R.)	80(F.R.)	88(F.R.)
Back rise seam(N)	69(F.R.)	83(F.R.)	83(F.R.)	78(F.R.)

Recommended Class 3

Notes F.R. = Fabric Rupture
Remark:
Classification of seam strength: Class 1 >30N; Class 2 >50N; Class 3 >75N; Class 4 >125N; Class 5 >300N; Class 6 >500N.

Sample Photo

The statement of conformity in this test report is only based on measured values by the laboratory and does not take their uncertainties into consideration.

End of Report

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